

Platelets in atherothrombosis : roles of CD36 and P2Y12 receptors

Citation for published version (APA):

Unal - Nergiz, R. (2011). *Platelets in atherothrombosis : roles of CD36 and P2Y12 receptors*. Maastricht University. <https://doi.org/10.26481/dis.20110623ru>

Document status and date:

Published: 01/01/2011

DOI:

[10.26481/dis.20110623ru](https://doi.org/10.26481/dis.20110623ru)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Platelets in atherothrombosis • Roles of CD36 and P2Y₁₂ receptors

1. The two CD36 ligands, thrombospondin-1 and oxidized LDL, stimulate platelets most efficiently when they are immobilized at a surface (*this thesis*).
2. Immobilized thrombospondin-1 and oxidized LDL trigger a common signaling pathway in platelets, involving the protein tyrosine kinase, Syk (*this thesis*).
3. Binding of autocrine produced ADP to the platelet P2Y₁₂ receptors enforces arterial thrombosis by stabilizing the thrombus and preventing the shedding of platelet emboli (*this thesis*).
4. Feeding *Apoe*^{-/-} mice with walnuts lowers the plasma levels of cholesterol, triglycerides and prothrombin, and thereby suppresses the development of atherosclerotic plaques (*this thesis*).
5. Interactions between platelet CD36 and specific endogenous oxidized lipids play a crucial role in the clinical associations between dyslipidemia, oxidant stress and a prothrombotic phenotype (*Podrez et al., Nature Medicine, 2008*).
6. Scientific research is full of coincidences. However, the scientist may deal with these by using the small signs sent by nature, as these may harbor important clues.
7. There are no hard boundaries in science. Progress in science is soft and flexible, and can change in shape in front of your eyes.
8. Nutritional science does not stop with a good study design, but also requires conceptual thinking after the study is finished.
9. If you change your route because of a good alternative, remember it was you who made the choice.
10. Preconceived persistent ideas can destroy not only creativity, but also lifelong relationships.